



Dimensions in mm

Notes for LC47S shielded inductor:

Inductance Tolerance: T = ± 30% over the entire inductance range.

Magnetically shielded construction.

Manufactured to RoHS compliance.

Operating Temperature Range: - 30°C ~ + 100°C.

Rated Current: Indicates the current when the inductance decreases to 65% over its nominal value, or DC current when the temperature rise, ^aT = 40°C, whichever is lower.

Part number	Inductance [μH ± 30%]	Test Frequency @ 1.0V	DC Resistance Ohms Max.	Rated Current DC Amps Max.
LC47S-1R0T	1.0	7.96 MHz	0.045	1.72
LC47S-2R2T	2.2	7.96 MHz	0.075	1.32
LC47S-2R7T	2.7	7.96 MHz	0.105	1.28
LC47S-3R3T	3.3	7.96 MHz	0.110	1.04
LC47S-3R9T	3.9	7.96 MHz	0.155	0.88
LC47S-4R7T	4.7	7.96 MHz	0.162	0.84
LC47S-5R6T	5.6	7.96 MHz	0.170	0.80
LC47S-6R8T	6.8	7.96 MHz	0.200	0.76
LC47S-8R2T	8.2	7.96 MHz	0.245	0.68
LC47S-100T	10	100 KHz	0.280	0.61
LC47S-120T	12	100 KHz	0.320	0.56
LC47S-150T	15	100 KHz	0.360	0.50
LC47S-180T	18	100 KHz	0.400	0.48
LC47S-220T	22	100 KHz	0.480	0.41
LC47S-270T	27	100 KHz	0.570	0.35
LC47S-330T	33	100 KHz	0.694	0.32
LC47S-390T	39	100 KHz	0.800	0.30
LC47S-470T	47	100 KHz	0.950	0.28
LC47S-560T	56	100 KHz	1.080	0.26
LC47S-680T	68	100 KHz	1.300	0.24